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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/823,529	04/13/2004	Bo Jin	CD03021	4879	
7590 10/18/2005			EXAMINER		
WALKER & SAKO, LLP			LAM, DAVID		
Suite 235					
300 South First Street			ART UNIT	PAPER NUMBER	
San Jose, CA 95113			2827		

DATE MAILED: 10/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No. Applicant(s)							
	10/823,529	JIN ET AL.						
Office Action Summary	Examiner	Art Unit						
	David Lam	2827						
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1)⊠ Responsive to communication(s) filed on <u>16 August 2005</u> .								
2a) This action is FINAL . 2b) ⊠ This	action is non-final.							
· — · · ·	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims								
4) ☐ Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) 8-20 is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-3 is/are rejected. 7) ☐ Claim(s) 4-7 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement.								
Application Papers	•							
9) The specification is objected to by the Examine	r.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority under 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
Attachment(s) 1) ⊠-Notice of References Cited (PTO-892)	4) ☐ Înterview Summary	(PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	nte						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 4/04.	5) Notice of Informal P 6) Other:	atent Application (PTO-152)						

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DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of group I, claims 1-7 file on 8/16/05 acknowledged. The traversal is on the ground(s) that the product and process patent claims should be prosecuted as part of the same patent application because of the close interrelationship between the product and the process patent claims. This is not found persuasive because these inventions are distinct for the reasons as previous mentioned on Election/Restriction paper dated 7/21/05 and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper. Furthermore, the examiner respectfully submits that searching/examining the Group II method invention in addition to the elected Group I device invention would, in fact, be more than a slight added burden.

The requirement is still deemed proper and is therefore made FINAL.

Specification

2. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

3. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Kikushima et al. (5,798,551).

Regarding to claims 1-3, Kikushima et al. discloses a memory cell comprising: a first node (connection between QP1, Qt1, Qd1) for storing a first potential; a second node (connection between (QP2, Qt2, Qd2) for storing a second potential; a capacitor (C) having plates coupled between the first node and second node, a portion of at lest one plate of the capacitor comprising a first interconnect wiring (L1 or L2) that connects circuit component of the memory cells; a first inverter (QP2, Qd2) having an input coupled to the first node and an output coupled to the second node; a second inverter (QP1, Qt1) having input coupled to the second node and an output coupled to the first node; wherein the first node stores a true data value (DL) and the second node stores a complementary data value (/DL); a first access transistor (Qt1) having an

input coupled to the first node; and a second access transistor (Qt2) coupled to the second node. See Figs. 1-5; Cols. 9-13.

Allowable Subject Matter

4. Claims 4-7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record fails to teach the above noted memory cell, wherein the interconnect wiring is formed over a gate layer and includes a plurality of conductive layers, and among others as claimed in claim 4.

Conclusion

- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- Hashimoto et al. (5,780,910) disclose SRAM with stacked capacitor spaced from gate electrodes.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Lam whose telephone number is 571-272-1782. The examiner can normally be reached on 6:00-4:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoai Ho can be reached on 571-272-1777. The fax phone numbers for the organization where this application or proceeding is assigned is (571) 272-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

D. Lam

October 13, 2005

DAVID LAM
PRIMARY EXAMINER